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The 1997 Iowa Corn Yield Test Report, District 2

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Abstract

Results of the Iowa Crop Performance Test - Corn are published to aid Iowa farmers in selecting corn hybrids. This is the 78th consecutive year for the test. These data are first released on the Iowa Crop Improvement Association's home page at http://agron.iastate.edu/icia/ usually around the end of November. Anyone can access this information and receive the data as soon as they are released. This information can be accessed in three other ways: by modem at (515)-294-8354 and logging in as "guest," through Internet using World Wide Web (WWW) at the URL: http://www.exnet.iastate.edu, or through Internet using Telnet to exnet.iastate.edu and logging in as "guest." For additional information, contact Extension Software Service, 110 EES Bldg., Haber Rd., Iowa State University, Ames, Iowa 50011-3070, telephone number (515) 294-8658.

Disciplines

Agriculture

A supplement to the December 13, 1997 issue of *Iowa Farmer Today*

1997 Iowa Crop Performance Test—Corn District 2

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The next released format of the data is on computer diskettes, which include a hybrid selection computer program described in another section of this report. These diskettes are usually available a week to 10 days after the data are released on the World Wide Web.

The final format is the printed version, which is printed and distributed by *Iowa Farmer Today* in its December 13, 1997 issue. A few days later, the reports also are available from county extension offices.

The presentation of data for the hybrids tested does not imply approval or endorsement by the authors or the agencies sponsoring or conducting the test. Entries in Tables 1 and 2 are designated by brand name and variety.

Use of the Data in Advertisements

Iowa State University and the Iowa Crop Improvement Association desire to maintain the credibility of data from the *Iowa Crop Performance Test—Corn*. Misuse of these data in advertisements can have a negative effect on the perception of the value of these data. For advertising purposes, brand-to-brand comparisons should not be made unless more than one competitor brand is used in the ad and all entries of those brands in a given table are included in the ad. Advertisement statements by an individual company about the performance of its entries can be made as long as they are accurate statements about the data as published with no reference to other companies' hybrids. A statement similar to: "See the official *Iowa Crop Performance Test—Corn* report, Pm-660-(1-7)-97, for details," should be included in the ad.

1997 Procedure

Producers of seed corn and Iowa State University were eligible to enter varieties in the *Iowa Crop Performance Test—Corn*. Each producer was allowed a maximum of nine paid entries per district. All entries had to be available in a quantity of at least 10 bushels of seed.

In 1997, 155 entries were evaluated in this district. Ten of the entries determined to be check hybrids were entered by Iowa State University. In June, survey cards were mailed to a random sample of corn growers in Iowa. Based on the survey results, the 10 hybrids grown on the most acres in a district are classified as check hybrids for that district. The check hybrids (*) in this report were determined by the 1996 survey. Iowa State University entered a maximum of two check hybrids of any given brand. These entries were given priority over the remaining 145 entries made by seed producers.

Each entry was replicated four times in four-row plots at a planting rate of 29,000 kernels per acre at each location. All locations were machine planted. The center two rows of each plot were harvested with a corn combine. No gleanings or dropped ears were included in yield data. A moisture determination was made from each plot and yields were corrected to 15.0 percent moisture for shelled corn.

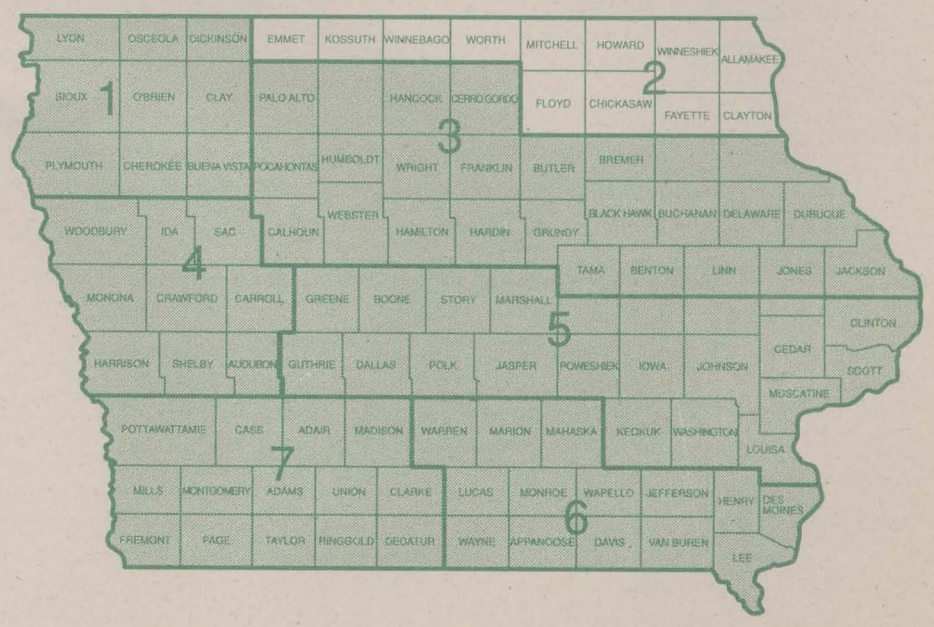
Since 1988, data for protein, oil, and starch percentages have been included in the *Iowa Crop Performance Test—Corn* reports. Protein, oil, and starch were measured on an Infratec 1225 near-infrared transmittance analyzer calibrated against accepted chemical methods as done by Woodson-Tenant Labs, Des Moines, Iowa. Dr. Charles R. Hurburgh, Jr. of the ISU Department of Agricultural and Biosystems Engineering was responsible for analyzing the samples. Samples for nutrient analysis were collected from one field in each district. Data presented are averages of the four replicated plots in that field. To be consistent with the yield data, the protein, oil, and starch data were corrected to 15.0 percent moisture.

How Information Is Presented

The agronomic data presented are averages of three locations in 1995, 1996, and 1997. Yield in bushels per acre and percentages of moisture, root lodging, stalk lodging, dropped ears, stand, protein, oil, and starch are shown for all entries in 1997 and for those tested in 1995 and 1996 that were in the 1997 test.

Interpretation of Results

Yield differences due to variation in soil, fertility, moisture availability, insect infestation, and diseases, plus any variation due to planting and harvesting techniques, are identified through statistical analysis. The LSD values for yield shown in Tables 1 and 2 represent, in bushels per acre, the amount of yield variation that could be due to variations in the factors just mentioned. In comparing varieties, yield differences greater than the LSD value can be attributed to genetic differences in the yield potential of these varieties; yield differences less than the LSD value are not statistically different and could have been due to other factors.



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Iowa Crop Improvement Association

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University Extension
Ames, Iowa

Table 2. Averages of 1996-97 and 1995-97 of Varieties Tested in District 2.
LSD for Yields Are 5 Bushels for 95-97 and 6 Bushels for 96-97.

95-97 Protein LSD = 0.2. 95-97 Oil LSD = 0.1. 95-97 Starch LSD = 0.3.
96-97 Protein LSD = 0.2. 96-97 Oil LSD = 0.1. 96-97 Starch LSD = 0.4.

			Yield Bu/A		Moisture Pct		Root Ldg Pct		Stalk Ldg Pct		Drop Ear Pct		Stand Pct		Protein Pct		Oil Pct		Starch Pct			
Brand	Variety	Cross	95-97	96-97	96-97	95-97	95-97	96-97	95-97	96-97	95-97	96-97	95-97	96-97	95-97	96-97	95-97	96-97	95-97	96-97	Variety	Brand
DEKALB	DK442	SX	146	148	18.4	18.4	0	1	7	6	1	0	91	91	8.5	8.4	3.7	3.7	60.2	60.4	DK442	DEKALB
DEKALB	DK477	SX		155	19.3			0		3		0		93		8.0		3.2		61.0	DK477	DEKALB
*NK Brand	N4242	SX	145	150	19.5	19.5	0	0	4	4	0	0	87	91	8.1	7.9	3.2	3.2	61.4	61.8	N4242	*NK Brand
*DEKALB	DK471	SX	147	147	20.1	19.7	0	0	4	3	0	0	89	88	8.1	8.1	3.5	3.4	60.7	60.9	DK471	*DEKALB
Cargill	3677	SX	147	148	20.2	20.0	2	2	4	3	0	0	89	88	8.4	8.3	3.7	3.7	60.5	60.9	3677	Cargill
Mycogen	2500	SX		153	20.3			0		4		0		93		8.4		3.1		60.9	2500	Mycogen
DEKALB	DK493	SX	150	153	20.5	20.2	1	1	4	3	0	0	92	92	8.1	8.0	3.4	3.4	60.8	61.0	DK493	DEKALB
*NK Brand	N4640	SX	152	157	20.7	20.7	1	2	3	2	0	0	90	91	8.4	8.4	3.4	3.4	60.8	61.0	N4640	*NK Brand
Dairyland	ST1401	SX		153	21.5			1		1		0		86		8.0		3.4		60.5	ST1401	Dairyland
Hill Seed	HSX1037	SX		145	21.5			0		1		0		86		8.2		3.5		60.4	HSX1037	Hill Seed
*Cargill	4127	SX	145	146	21.5	21.2	0	0	4	4	1	1	92	90	8.1	8.0	3.5	3.4	60.8	61.3	4127	*Cargill
*Golden Harvest	H2377	SX	150	157	21.6	21.4	0	0	4	4	1	1	90	91	8.5	8.4	3.3	3.2	60.5	60.6	H2377	*Golden Harvest
Agripro	AP9300	SX		150	21.7			1		1		0		91		8.2		3.4		60.5	AP9300	Agripro
Rainbow	X1036	MSX		148	21.7			1		2		0		91		7.9		3.4		61.0	X1036	Rainbow
NC+	2395	SX		151	21.8			2		1		1		92		8.2		3.6		60.4	2395	NC+
Epley	EX1450	SX	142	141	21.8	21.2	3	4	6	5	0	0	91	90	7.5	7.3	3.4	3.3	61,2	61.7	EX1450	Epley
Terra	TR1026	SX		147	22.0			1		1		0		89		8.0		3.5		60.5	TR1026	Terra
Bioseed	9350	SX		153	22.0			0		2		0		87		8.5		3.5		60.8	9350	Bioseed
M/W Genetics	G7118	SX		145	22.0			1		1		0		87		8.1		3.3		60.5	G7118	M/W Genetics
Renze	6167	SX		149	22.1			1		2		0		92		8.0		3.5		60.7	6167	Renze
Agripro	AP9340	SX		141	22.1			0		3		0		85		7.8		3.2		61.3	AP9340	Agripro
*Pioneer	3730	SX	148	151	22.2	21.8	1	1	4	3	0	0	89	89	8.5	8.5	3.4	3.3	61.0	61.2	3730	*Pioneer
SOI	9027	SX		144	22.3			1		2		0		90		8.3		3.4		60.6	9027	SOI
*Golden Harvest	H2390	SX	155	161	22.3	22.2	0	0	2	2	0	0	91	89	8.7	8.5	3.4	3.3	60.2	60.4	H2390	*Golden Harvest
Trelay	5500	SX		142	22.5			0		4		2		89		8.6		3.4		60.5	5500	Trelay
Golden Harvest	H2382	SX	151	158	22.5	22.3	1	1	5	5	0	0	93	95	7.9	7.7	2.9	2.8	60.8	60.9	H2382	Golden Harvest
Renk	RK641	SX		143	22.6			0		3		1		91		8.3		3.2		61.2	RK641	Renk
LG Seeds	LG2499	SX		149	22.7			0		3		0		91		9.2		3.4		60.2	LG2499	LG Seeds
Agripro	AP9363	SX		140	23.0			0		3		2		88		8.5		3.3		60.6	AP9363	Agripro
*Pioneer	3563	SX	153	152	23.1	22.8	1	1	4	4	0	0	93	93	7.6	7.6	3.7	3.6	61.0	61.3	3563	*Pioneer
*DEKALB	DK512	SX	152	152	23.2	22.5	0	0	3	3	0	0	88	86	8.0	8.2	3.7	3.7	60.5	60.7	DK512	*DEKALB
Garst	8640	SX		154	23.4			4		4		1		89		7.8		3.2		61.2	8640	Garst
M/W Genetics	G7350	SX	150	147	23.5	23.3	3	4	4	4	1	1	92	92	7.9	7.8	3.6	3.6	61.0	61.3	G7350	M/W Genetics
Golden Harvest	H2441	SX	153	159	23.6	23.5	1	1	8	8	0	0	92	93	8.0	7.8	3.4	3.4	60.5	60.7	H2441	Golden Harvest
Renk	RK696	SX	144	145	23.8	23.3	1	1	4	3	1	1	88	88	7.5	7.3	3.5	3.4	61.0	61.5	RK696	Renk
SOI	9074	SX		150	23.9			1		2		0		90		6.9		3.4		61.4	9074	SOI
Bioseed	9410	SX		152	24.1			2		3		0		91		8.8		3.2		60.7	9410	Bioseed
*Cargill	4277	SX	139	135	24.4	23.9	1	0	4	3	2	2	93	95	9.1	9.3	3.5	3.3	60.2	60.4	4277	*Cargill
Golden Harvest	H2478	SX		167	24.5			1		4		0		91		7.8		3.3		60.6	H2478	Golden Harvest
Renk	RK708	SX	145	151	24.6	23.8	2	3	3	2	0	0	84	88	7.9	7.7	3.5	3.4	60.6	60.9	RK708	Renk
Viking	4420	SX	146	149	24.8	24.1	1	2	4	3	1	1	91	92	7.3	7.1	3.5	3.5	61.2	61.6	4420	Viking
Cornelius	C545	SX		157	24.8			1		3		0		89		8.3		3.6		60.3	C545	Cornelius
Dairyland	ST1407	SX	150	150	24.9	24.1	2	2	4	3	1	0	90	89	7.8	7.8	3.6	3.5	60.6	60.9	ST1407	Dairyland
Pfister	2010	SX		156	24.9			1		3		1		89		7.7		3.5		60.5	2010	Pfister
DEKALB	DK580	SX	158	161	25.0	24.7	0	0	9	10	0	0	91	91	8.0	8.0	3.5	3.5	60.4	60.5	DK580	DEKALB
Ottilie	4810	SX		161	25.1			2		3		1		87		7.5		3.2		61.0	4810	Ottilie
SOI	9045	SX	149	148	25.2	24.3	3	3	3	3	0	0	90	90	7.6	7.5	3.5	3.5	60.7	61.0	9045	SOI
Fontanelle	4193	SX	150	149	25.2	24.8	0	0	2	2	0	0	90	91	7.8	7.7	3.5	3.4	61.1	61.4	4193	Fontanelle
Mark	MRK97109	SX		164	25.2			2		3		0		83		7.5		3.2		60.5	MRK97109	Mark
Kruger	9709	SX		161	25.3			3		5		1		88		7.4		3.2		60.9	9709	Kruger
Crows	365	SX	131	134	25.4	25.1	1	1	4	4	1	1	84	92	8.6	8.7	3.5	3.4	60.1	60.2	365	Crows
Bioseed	9470	SX	149	150	25.6	25.0	1	1	4	3	0	0	86	87	8.5	8.5	3.5	3.5	60.2	60.5	9470	Bioseed
Cornelius	C521	SX		159	25.8			2		4		1		89		7.4		3.2		60.9	C521	Cornelius
Agripro	AP9460	SX		158	25.8			1		5		1		87		7.6		3.4		60.6	AP9460	Agripro
Cargill	5677	SX	156	158	26.0	25.4	0	1	8	9	0	0	92	94	8.6	8.7	3.4	3.4	60.1	60.2	5677	Cargill
Pfister	2248	SX	144	143	26.1	25.1	0	0	3	3	0	0	86	86	8.0	7.9	3.5	3.4	61.0	61.4	2248	Pfister
Ottilie	2453	SX		154	26.1			0		2		0		86		7.4		3.3		60.8	2453	Ottilie
Mark	MRK96111	SX		164	27.4			1		3		0		92		7.7		3.4		60.3	MRK96111	Mark
Crows	445	SX	149	145	28.3	27.2	1	1	4	4	1	0	92	92	7.6	7.6	3.5	3.5	60.6	60.8	445	Crows
Mark	MRK97112	SX		161	28.5			2		2		0		80		7.6		3.6		60.4	MRK97112	Mark
Dairyland	ST1410	SX		155	28.6			3		3		1		90		7.9		3.4		59.9	ST1410	Dairyland
Dairyland	ST1412	SX		165	28.7			3		2		0		92		7.4		3.4		61.0	ST1412	Dairyland
Average of All Entries			148.2	151.4	23.5	22.8	1.0	1.2	4.4	3.3	0.5	0.5	89.9	89.7	8.1	8.0	3.5	3.4	60.7	60.8	Average of All Entries	
Average of Check Hybrids			148.7	150.7	21.9	21.6	0.5	0.5	3.7	3.1	0.5	0.5	90.2	90.3	8.3	8.3	3.5	3.4	60.7	60.9	Average of Check Hybrids	

* = Check Hybrid Entered by Iowa State University. SX = Single Cross. MSX = Modified Single Cross. 3X = 3-Way Cross. 4X = 4-Way Cross. SXB = Blend of Single Crosses.

Table 1. Average Performance of Varieties Tested in District 2. 29,000 Planting Rate. LSD for 1997 Yield in Bushels Is 10, for 1996 Is 9, and for 1995 Is 9. 1997 Protein Pct LSD = 0.3. 1997 Oil Pct LSD = 0.2. 1997 Starch Pct LSD = 0.5.

Brand	Variety	Cross	Yield Bu/A 1995	Yield Bu/A 1996	Yield Bu/A 1997	Moisture Pct 1997	Moisture Pct 1996	Moisture Pct 1995	Root Ldg Pct 1997	Root Ldg Pct 1996	Root Ldg Pct 1995	Stalk Ldg Pct 1997	Stalk Ldg Pct 1996	Stalk Ldg Pct 1995	Drop Ear Pct 1997	Drop Ear Pct 1996	Drop Ear Pct 1995	Stand Pct 1997	Stand Pct 1996	Stand Pct 1995	Protein Pct 1997	Protein Pct 1996	Protein Pct 1995	Oil Pct 1997	Oil Pct 1996	Oil Pct 1995	Starch Pct 1997	Starch Pct 1996	Starch Pct 1995	Variety	Brand
DEKALB	DK442	SX	141	157	138	18.4	18.4	18.4	1	0	0	5	7	9	0	0	1	86	97	91	8.0	8.7	8.7	3.7	3.7	3.8	60.7	60.2	59.9	DK442	DEKALB
DEKALB	DK449	SX			135	18.4			0			1			0			88			7.6			3.7			61.1			DK449	DEKALB
M/W Genetics	G6970	SX			134	18.6			1			3			0			83			8.1			3.6			61.2			G6970	M/W Genetics
DEKALB	DK477	SX		159	152	18.7	19.9		0	0		3	2		0	0		91	94		7.6	8.4		3.2	3.2		61.4	60.5		DK477	DEKALB
Cornelius	C246	SX			155	18.7			2			2			0			86			7.4			3.5			61.1			C246	Cornelius
Pioneer	3753	SX			154	18.8			2			3			0			91			7.6			3.5			61.4			3753	Pioneer
Epley	EX1100	SX			132	19.0			1			6			1			86			8.0			3.4			61.4			EX1100	Epley
Golden Harvest	H2309	SX			149	19.2			1			3			0			88			8.3			3.6			60.4			H2309	Golden Harvest
Crows	172	SX			154	19.2			3			2			1			88			7.8			3.6			61.1			172	Crows
KSC/Challenger	9899	SX			151	19.2			1			3			1			88			7.6			3.6			60.7			9899	KSC/Challenger
NC+	1487	SX			146	19.2			2			3			0			86			7.7			3.7			60.4			1487	NC+
Golden Harvest	H2315	SX			141	19.2			1			4			2			86			8.0			3.1			61.2			H2315	Golden Harvest
Prairie Gold	PG1520	SX			142	19.2			1			3			1			81			7.6			3.4			61.4			PG1520	Prairie Gold
*NK Brand	N4242	SX	135	152	147	19.3	19.8	19.4	0	0	0	3	4	3	0	0	0	87	95	79	7.7	8.1	8.3	3.2	3.1	3.3	62.0	61.6	60.6	N4242	*NK Brand
Pioneer	37M81	SX			150	19.3			4			8			3			87			7.8			3.7			60.5			37M81	Pioneer
Mycogen	2500	SX		151	156	19.4	21.1		1	0		2	6		0	0		89	97		7.8	8.9		3.2	2.9		61.3	60.6		2500	Mycogen
Renze	6078	SX			143	19.6			1			4			1			85			7.7			3.4			61.6			6078	Renze
Renze	6068	SX			154	19.6			2			6			0			86			8.2			3.5			60.7			6068	Renze
*DEKALB	DK471	SX	148	152	142	19.6	20.5	18.8	1	0	0	3	3	7	0	0	0	81	95	91	8.1	8.1	8.1	3.4	3.4	3.5	61.2	60.5	60.4	DK471	*DEKALB
Fontanelle	3946	SX			144	19.7			3			3			0			83			7.5			3.4			61.3			3946	Fontanelle
Fontanelle	3977	SX			154	19.7			5			8			0			88			8.1			3.4			60.7			3977	Fontanelle
Desoy	9898	SX			154	19.8			4			6			0			90			8.3			3.5			60.7			9898	Desoy
Bioseed	9371	SX			150	19.9			0			3			1			84			7.5			3.3			61.3			9371	Bioseed
Epley	EX1160	SX			145	20.0			5			2			0			86			7.7			3.5			61.2			EX1160	Epley
Cargill	4111	SX			150	20.1			1			6			3			86			7.6			3.5			61.2			4111	Cargill
Hawkeye Hybrid	EXP96090	SX			149	20.1			4			3			1			88			7.7			3.5			61.3			EXP96090	Hawkeye Hybrid
DEKALB	DK493	SX	144	159	147	20.1	21.0	19.5	1	1	0	4	3	4	0	0	1	89	95	90	7.7	8.4	8.2	3.4	3.4	3.5	61.4	60.6	60.4	DK493	DEKALB
Cargill	3677	SX	145	143	153	20.2	20.2	19.5	3	1	2	4	3	5	0	0	1	89	88	91	7.8	8.8	8.6	3.7	3.7	3.8	61.4	60.4	59.9	3677	Cargill
Viking	6801	SX			157	20.2			1			7			0			85			8.1			3.5			61.1			6801	Viking
Agripro	AP9300	SX		147	153	20.3	23.1		3	0		2	0		0	0		85	97		7.9	8.5		3.5	3.3		60.5	60.5		AP9300	Agripro
CFS	4003	SX			138	20.3			0			5			1			81			7.7			3.5			61.2			4003	CFS
*NK Brand	N4640	SX	143	157	156	20.3	21.1	20.5	3	1	1	2	3	3	0	0	0	88	95	89	8.0	8.8	8.5	3.3	3.4	3.5	61.8	60.3	60.3	N4640	*NK Brand
Cargill	3911	SX			133	20.5			1			4			1			90			7.8			3.5			61.6			3911	Cargill
Dairyland	ST1401	SX		147	158	20.5	22.5		1	0		1	1		0	0		84	87		7.8	8.2		3.6	3.2		60.3	60.7		ST1401	Dairyland
Rainbow	X1036	MSX		151	145	20.6	22.8		2	0		3	1		1	0		89	94		7.5	8.4		3.5	3.2		61.5	60.4		X1036	Rainbow
Mycogen	2545	SX			146	20.7			3			2			0			88			7.8			3.6			61.0			2545	Mycogen
Hill Seed	HSX1037	SX		145	146	20.8	22.2		0	0		1	1		0	0		88	84		7.8	8.5		3.7	3.4		60.6	60.2		HSX1037	Hill Seed
Mark	MRKEX100	SX			138	20.8			0			4			1			76			8.3			3.4			60.6			MRKEX100	Mark
LG Seeds	LG2487	SX			148	20.8			1			2			0			86			7.9			3.6			60.1			LG2487	LG Seeds
Golden Harvest	H2359	SX			149	20.9			1			1			0			88			7.6			3.0			61.5			H2359	Golden Harvest
Prairie Gold	PG1527	SX			134	20.9			0			5			0			78			8.7			3.4			60.5			PG1527	Prairie Gold
CFS	4325	SX			150	20.9			1			2			0			91			7.7			3.7			60.9			4325	CFS
*Golden Harvest	H2377	SX	137	159	155	21.0	22.2	20.9	0	0	0	4	3	6	1	0	0	85	97	89	7.9	8.8	8.9	3.3	3.1	3.4	60.9	60.4	60.1	H2377	*Golden Harvest
M/W Genetics	G7118	SX		138	151	21.1	23.0		1	0		1	1		0	0		88	86		7.8	8.4		3.4	3.1		60.8	60.2		G7118	M/W Genetics
*Golden Harvest	H2390	SX	143	160	162	21.1	23.5	21.9	1	0	0	2	2	3	0	0	0	85	94	94	7.9	9.1	9.1	3.4	3.3	3.5	60.8	59.9	59.8	H2390	*Golden Harvest
*Cargill	4127	SX	143	145	148	21.1	21.9	20.6	0	0	0	5	3	4	2	0	2	88	93	94	7.6	8.4	8.4	3.5	3.4	3.6	61.7	60.8	60.0	4127	*Cargill
Bioseed	9350	SX		149	156	21.2	22.8		1	0		2	3		0	0		88	87		8.1	8.9		3.5	3.5		61.4	60.3		9350	Bioseed
NC+	2395	SX		150	152	21.2	22.4		3	1		2	1		0	1		89	94		8.0	8.5		3.7	3.4		60.7	60.2		2395	NC+
Renze	6167	SX		149	148	21.2	23.0		2	1		2	2		0	0		87	98		7.7	8.4		3.6	3.4		61.0	60.4		6167	Renze
Garst	N4673	SX			161	21.2			1			2			0			86			8.2			3.2			60.7			N4673	Garst
Terra	TR1026	SX		148	146	21.3	22.6		1	0		1	1		0	0		85	93		7.8	8.3		3.8	3.3		60.3	60.7		TR1026	Terra
Kruger	9802A	SX			146	21.4			1			2			0			89			7.8			3.7			60.9			9802A	Kruger
Fontanelle	4286	SX			135	21.4			2			4			0			81			8.0			3.6			60.6			4286	Fontanelle
Epley	EX1460	SX			147	21.4			1			2			0			87			7.9			3.6			61.2			EX1460	Epley
Pioneer	3559	SX			158	21.6			1			5			0			87			7.6			3.7			61.0			3559	Pioneer
Agripro	AP9340	SX		147	135	21.6	22.7		0	0		3	3		0	0		82	88		7.5	8.1		3.1	3.2		61.4	61.1		AP9340	Agripro
LG Seeds	LG2499	SX		154	145	21.6	23.8		0	0		4	2		0	0		88	94		8.9	9.6		3.4	3.3		60.6	59.8		LG2499	LG Seeds
Epley	EX1450	SX	144	144	139	21.8	21.8	20.0	7	2	1	7	3	8	0	0	0	85	95	93	7.2	7.4	7.9	3.4	3.1	3.6	61.8	61.6	60.4	EX1450	Epley
*Pioneer	3730	SX	143	148	154	21.9	22.5	21.1	1	1	0	1	4	7	0	0	0	91	87	90	8.0	9.0	8.4	3.4	3.3	3.4	61.8	60.5	60.7	3730	*Pioneer
SOI	9027	SX		151	136	22.0	22.6		2	0		2	1		0	1		82	99		7.9	8.6		3.5	3.4		61.0	60.2		9027	SOI
KSC/Challenger	9801	SX			140	22.0			1			3			0			78			8.0			3.4			61.2			9801	KSC/Challenger
Desoy	9704	SX			145	22.0			3			3			0			83			7.7			3.5			61.7			9704	Desoy
Golden Harvest	H2382	SX	138	163	153	22.1	23.0	21.9	3	0	0	6	4	5	0	0	0	89	100	90	7.4	8.0	8.2	2.8	2.8	3.1	61.0	60.8	60.7	H2382	Golden Harvest
NC+	2727	SX			153	22.1			0			3			2			85			8.1			3.6			60.6			2727	NC+
*Pioneer	3563	SX	157	146	157	22.2	24.0	22.2	1	0	0	4	4	4	0	0	0	88	98	92	7.2	8.0	7.8	3.7	3.5	3.8	61.6	60.9	60.4	3563	*Pioneer
FS	4048	SX			147	22.2			0			3			0			86			7.4			3.6			61.2			4048	FS
A+ Seeds	2099	SX			140	22.2			2			6			0			86			7.8			3.7			61.4			2099	A+ Seeds
Cornelius	C396	MSX			155	22.2			0			2			0			87			7.4			3.7			60.7			C396	Cornelius
DEKALB	DK521	SX			142	22.2			1			3			1			80			7.2			3.2			62.1			DK521	DEKALB
Trelay	5004	SX			153	22.3			2			4			1			88			7.8			3.6			61.2			5004	Trelay
DEKALB	DK580	SX	154	153	168	22.3	27.6	24.2	0	0	0	10	9	7	0	0	0	86	96	91	7.6	8.4	7.9	3.5	3.5	3.7	61.1	59.8	60.3	DK580	DEKALB
Trelay	5500	SX		140	143	22.3	22.7		0	0		4	4		3	1		86	93		8.2	9.0		3.5	3.3		61.1	59.9		5500	Trelay
Renk	RK641	SX		144	142	22.5	22.6		1	0		3	4		2	0		85	96		7.9	8.7		3.3	3.2		61.5	60.8		RK641	Renk
Dairyland	ST1500	SX			138	22.5			7			5			1			84			8.0			3.7			61.2			ST1500	Dairyland
Garst	8640	SX		151	158	22.5	24.3		3	5		5	3		2	1		85	93		7.4	8.2		3.4	3.1		61.4	61.0		8640	Garst
Golden Harvest	H2441	SX	142	159	159	22.8	24.4	23.2	2	0	1	10	5	7	0	0	0	89	96	90	7.3	8.3	8.4	3.3	3.5	3.5	61.5	59.9	60.0	H2441	Golden Harvest
Agripro	AP9363	SX		141	138	23.0	23.0		0	0		4	3		2	1		82	94		8.2	8.7		3.4	3.1		60.9	60.3		AP9363	Agripro
Hill Seed	HSX409	SX			155	23.0			1			2			0			86			7.0			3.2			61.4			HSX409	Hill Seed
*DEKALB	DK512	SX	152	154	150	23.2	23.2	21.0	0	0	0	4	2	4	0	0	0	82	89	91	8.1	8.3	7.7	3.6	3.8	3.7	60.4	61.0	60.1	DK512	*DEKALB
Bioseed	9434	SX			159	23.2			2			2			0			86			7.2			3.8			61.0			9434	Bioseed
KSC/Challenger	9804	SX			149	23.2			0			4			0			86			7.1			3.2			61.8			9804	KSC/Challenger
Renk	RK672	SX			144	23.5			1			5			0			86			7.2			3.4			61.5			RK672	Renk
SOI	9067	SX			154	23.5			4			5			1			87			7.6			3.8			61.7			9067	SOI
M/W Genetics	G7350	SX	155	147	147	23.5	23.4	22.8	8	0	0	4	3	5	1	0	1	87	97	93	7.4	8.2	8.2	3.7	3.5	3.8	61.8	60.8	60.3	G7350	M/W Genetics
Pioneer	35R57	SX			156	23.5			2			4			1			90			8.0			3.6			61.5			35R57	Pioneer
Pioneer	34G81	SX			161	23.5			5			6			1			85			7.8			3.4			61.6			34G81	Pioneer
Cornelius	C545	SX		152	161	23.7	25.9		1	0		4	2		1	0		83	95		8.1	8.6		3.8	3.4		60.3	60.2		C545	Cornelius
Renk	RK696	SX	140	146	145	23.7	24.0	22.3	0	1	0	4	3	6	2	1	1	81	96	88	7.4	7.2	7.7	3.4	3.4	3.6	61.6	61.4	60.1	RK696	Renk
Garst	8660	SX			160	23.7			1			2			0			85			6.9			3.6			61.6			8660	Garst
Golden Harvest	H2478	SX		168	166	23.7	25.3		1	0		3	5		1	0		87	95		7.7	8.0		3.4	3.2		60.6	60.6		H2478	Golden Harvest
Desoy	9807	SX			161	23.7			1			5			1			89			8.0			3.3			60.6			9807	Desoy
SOI	9074	SX		145	155	23.8	24.1		2	0		2	2		0	0		85	96		6.6	7.3		3.5	3.4		61.2	61.6		9074	SOI
Bioseed	9410	SX		154	149	23.9	24.3		2	2		2	4		0	0		85	97		8.6	9.0		3.2	3.1		61.3	60.2		9410	Bioseed
Fontanelle	4193	SX	151	152	146	23.9	26.6	23.8	0	0	1	2	2	3	0	0	0	85	97	89	7.4	8.0	8.1	3.4	3.4	3.5	61.6	61.2	60.6	4193	Fontanelle
Viking	4420	SX	141	150	148	24.0	25.5	22.7	4	0	0	4	3	6	1	1	0	85	100	88	6.9	7.4	7.5	3.5	3.5	3.6	62.0	61.2	60.3	4420	Viking
*Cargill	4277	SX	148	138	132	24.0	24.8	22.7	1	0	3	3	3	6	4	1	1	91	98	91	9.0	9.7	8.7	3.6	3.1	3.7	60.5	60.2	59.9	4277	*Cargill
KSC/Challenger	9706	SX			149	24.2			3			2			0			86			7.4			3.6			61.3			9706	KSC/Challenger
Kaltenberg	K5109	SX			152	24.3			3			2			0			82			7.4			3.5			61.5			K5109	Kaltenberg
Garst	N4586	SX			156	24.3			2			2			1			84			7.2			3.2			61.3			N4586	Garst
Kruger	9906	SX			161	24.3			3			5			2			85			6.9			3.4			61.3			9906	Kruger
Renk	RK708	SX	135	150	151	24.4	24.8	22.2	4	3	0	2	2	5	1	0	1	82	94	77	7.4	8.0	8.2	3.5	3.4	3.6	61.4	60.4	59.8	RK708	Renk
Bioseed	9470	SX	147	145	155	24.4	26.8	23.7	1	1	0	3	2	6	0	0	0	86	88	84	8.1	8.9	8.5	3.5	3.5	3.5	61.3	59.7	59.7	9470	Bioseed
Kruger	9806	SX			154	24.4			1			2			2			84			7.6			3.3			61.0			9806	Kruger
Fontanelle	4997	SX			161	24.4			0			2			1			84			7.6			3.8			61.2			4997	Fontanelle
Garst	8605	SX			147	24.4			4			3			0			83			7.2			3.7			61.5			8605	Garst
Fontanelle	4567	MSX			154	24.5			3			2			1			89			7.5			3.7			60.9			4567	Fontanelle
Dairyland	ST1407	SX	150	148	153	24.8	25.0	22.4	2	2	1	2	4	5	0	0	2	86	91	92	7.5	8.0	7.9	3.5	3.4	3.7	61.1	60.7	60.1	ST1407	Dairyland
Hill Seed	EX809	SX			160	24.9			3			6			1			85			7.2			3.3			61.2			EX809	Hill Seed
A+ Seeds	4106	SX			158	24.9			1			3			1			83			7.5			3.3			61.2			4106	A+ Seeds
Crows	365	SX	125	128	140	24.9	25.9	24.4	2	0	1	4	4	5	2	1	1	88	95	70	8.1	9.2	8.6	3.5	3.4	3.7	60.8	59.7	59.8	365	Crows
Trelay	8009	SX			152	24.9			0			1			1			85			7.5			3.7			61.2			8009	Trelay
LG Seeds	LG2539	SX			163	24.9			3			5			1			83			7.0			3.2			61.3			LG2539	LG Seeds
Renze	6287	SX			157	25.0			3			4			1			87			7.2			3.3			61.0			6287	Renze
Kruger	9709	SX		165	157	25.0	25.7		6	1		6	5		1	0		87	89		7.3	7.5		3.2	3.1		61.4	60.5		9709	Kruger
Ottilie	4810	SX		163	159	25.0	25.3		2	1		3	4		1	0		86	88		7.2	7.8		3.2	3.2		61.4	60.5		4810	Ottilie
Mark	MRK97109	SX		163	165	25.0	25.5		3	1		4	2		1	0		83	83		7.0	7.9		3.3	3.1		60.7	60.4		MRK97109	Mark
M/W Genetics	X71077	SX			159	25.0			7			4			2			86			6.8			3.4			61.5			X71077	M/W Genetics
Pfister	2010	SX		161	152	25.0	24.8		1	0		2	4		1	0		83	95		7.4	8.1		3.5	3.5		60.9	60.0		2010	Pfister
SOI	9045	SX	150	144	151	25.1	25.3	22.6	4	2	2	2	4	3	0	0	0	86	94	91	7.3	7.7	7.9	3.5	3.5	3.6	61.2	60.8	60.0	9045	SOI
Mark	MRKEX107	SX			154	25.1			1			3			0			84			8.1			3.6			60.7			MRKEX107	Mark
Dairyland	ST1406	SX			161	25.3			2			4			0			82			7.1			3.2			61.1			ST1406	Dairyland
Terra	E1047	SX			158	25.3			3			6			1			85			6.9			3.2			61.6			E1047	Terra
Agventure	695	SX			152	25.3			4			5			1			81			7.2			3.2			61.6			695	Agventure
Agripro	AP9460	SX		159	156	25.4	26.2		2	1		6	4		1	0		87	87		7.1	8.0		3.5	3.2		61.2	60.0		AP9460	Agripro
CFS	W5975	SX			140	25.5			3			5			1			86			7.6			3.6			60.7			W5975	CFS
Cornelius	C494	SX			155	25.5			1			1			0			84			7.4			3.7			61.1			C494	Cornelius
KSC/Challenger	9407+	SX			145	25.5			1			4			0			86			7.2			3.4			61.8			9407+	KSC/Challenger
FS	5308	SX			152	25.5			1			6			0			84			7.5			3.4			61.9			5308	FS
Renze	6227	SX			155	25.5			3			3			0			88			7.4			3.4			61.9			6227	Renze
Pfister	2025	SX			156	25.6			4			7			1			87			7.0			3.2			61.9			2025	Pfister
Bioseed	9471	SX			159	25.6			2			6			0			85			7.3			3.3			61.2			9471	Bioseed
Dairyland	ST1409	SX			154	25.7			0			2			0			83			7.3			3.5			61.0			ST1409	Dairyland
Terra	TR1066	SX			153	25.7			0			6			1			87			8.2			3.4			60.0			TR1066	Terra
Viking	4721	SX			164	25.8			1			5			1			83			7.1			3.2			61.4			4721	Viking
Ottilie	2453	SX		146	163	25.9	26.4		0	0		1	3		0	0		82	89		7.0	7.8		3.4	3.3		60.9	60.7		2453	Ottilie
Renk	RK775	SX			165	25.9			3			5			0			83			7.0			3.1			61.4			RK775	Renk
Rainbow	X1076	MSX			149	26.0			3			3			0			86			6.9			3.5			61.6			X1076	Rainbow
Cargill	5677	SX	154	159	156	26.1	25.9	24.2	0	1	0	16	3	5	0	0	0	89	99	88	8.1	9.4	8.3	3.4	3.3	3.6	60.8	59.6	59.9	5677	Cargill
Pfister	2248	SX	144	148	139	26.1	26.1	23.1	1	0	0	3	3	5	0	0	0	77	95	85	7.8	8.1	8.2	3.6	3.2	3.6	61.4	61.4	60.2	2248	Pfister
Cornelius	C521	SX		163	156	26.1	25.5		3	1		3	5		1	0		84	93		7.2	7.6		3.3	3.1		61.3	60.5		C521	Cornelius
Trelay	7005	SX			161	26.2			3			3			1			83			7.4			3.3			60.9			7005	Trelay
Kruger	9808+	SX			144	26.2			0			3			0			89			7.3			3.3			61.7			9808+	Kruger
FS	5458	SX			153	26.3			1			8			1			88			8.0			3.6			60.7			5458	FS
Mark	MRK96111	SX		156	172	26.3	28.4		1	1		4	2		1	0		88	97		7.3	8.1		3.4	3.4		60.8	59.8		MRK96111	Mark
Crows	366	SX			152	26.8			1			6			0			85			8.2			3.7			60.6			366	Crows
Kruger	9811+	SX			158	26.8			3			2			0			90			7.5			3.2			61.7			9811+	Kruger
KSC/Challenger	9410	SX			165	26.8			0			3			0			89			7.1			3.5			60.9			9410	KSC/Challenger
Crows	445	SX	158	146	144	27.0	29.6	24.9	2	0	1	6	1	4	0	1	1	89	96	91	7.1	8.0	7.8	3.5	3.5	3.5	61.7	59.9	60.2	445	Crows
Agripro	AP9560	SX			159	27.9			8			3			0			88			7.8			3.4			60.6			AP9560	Agripro
Pfister	2625	SX			152	28.0			4			1			1			89			7.6			3.5			61.3			2625	Pfister
Dairyland	ST1412	SX		160	170	28.2	29.1		5	2		1	2		0	0		90	94		6.9	7.9		3.5	3.4		61.5	60.5		ST1412	Dairyland
Dairyland	ST1410	SX		149	161	28.2	28.9		5	2		2	4		1	1		86	95		7.5	8.3		3.3	3.4		60.7	59.1		ST1410	Dairyland
Mark	MRK97112	SX		151	172	28.8	28.2		4	1		2	1		1	0		84	76		7.0	8.2		3.8	3.4		60.7	60.1		MRK97112	Mark
Desoy	9614A	SX			164	28.9			7			2			0			88			7.2			3.6			61.0			9614A	Desoy
Garst	8481IT	SX			156	29.6			1			1			0			90			7.4			3.8			60.5			8481IT	Garst
Average of All Entries			145.0	151.1	151.4	23.0	24.0	21.9	2.0	0.6	0.5	3.6	3.0	5.2	0.6	0.3	0.6	85.8	93.3	88.7	7.6	8.3	8.2	3.5	3.3	3.6	61.1	60.5	60.2	Average of All Entries	
Average of Check Hybrids			144.7	151.1	150.3	21.4	22.4	20.9	0.8	0.2	0.4	3.1	3.1	4.8	0.8	0.2	0.5	86.5	94.0	90.0	8.0	8.6	8.4	3.4	3.4	3.5	61.3	60.6	60.2	Average of Check Hybrids	

* = Check Hybrid Entered by Iowa State University. SX = Single Cross. MSX = Modified Single Cross. 3X = 3-Way Cross. 4X = 4-Way Cross. SXB = Blend of Single Crosses.

District 2

Designations Identifying Brands in the Test

A+ Seeds .... A+ Seeds, Elkader, IA 52043
Agripro .... Agripro Seeds Inc., Ames, IA 50010
Agventure .... Agventure of Iowa, Inc., Elgin, IA 52141
Bioseed .... Bioseed Genetics USA, Inc., Ankeny, IA 50021
*Cargill .... Cargill Hybrid Seeds, Minneapolis, MN 55440
CFS .... Custom Farm Seed, Momence, IL 60954
Cornelius .... Cornelius Seed Corn Co., Bellevue, IA 52031
Crows .... Crow's Hybrid Corn Co., Milford, IL 60953
Dairyland .... Dairyland Seed Co., Inc., West Bend, WI 53095
*DEKALB .... DEKALB Genetics Corp., DeKalb, IL 60115
Desoy .... Dennis Ewing, Ames, IA 50010
Epley .... Epley Bros. Hybrids, Inc., Shell Rock, IA 50670
Fontanelle .... Fontanelle Hybrids, Nickerson, NE 68044
FS .... Growmark, Inc., Bloomington, IL 61702
Garst .... Garst Seed Co., Slater, IA 50244
Golden Harvest .... The J. C. Robinson Seed Co., Waterloo, NE 68069
*Golden Harvest .... Golden Seed Co., Inc., Cordova, IL 61242
Hawkeye Hybrid .... Hawkeye Hybrids, Inc., Pella, IA 50219
Hill Seed .... Hill Seed Co., Ellsworth, IA 50075
Kaltenberg .... Kaltenberg Seed Farms, Inc., Waunakee, WI 53597
Kruger .... Kruger Seed Company, Dike, IA 50624
KSC/Challenger .... Challenger Seed Co., Dike, IA 50624
LG Seeds .... LG Seeds Mt. Pleasant Ser. Ctr., Mt. Pleasant, IA 52641
Mark .... Mark Seed Co., Perry, IA 50220
M/W Genetics .... Midwest Seed Genetics, Carroll, IA 51401
Mycogen .... Mycogen Seeds, St. Paul, MN 55121
NC+ .... NC+ Hybrids, Lincoln, NE 68504
*NK Brand .... Novartis Seeds, Ames, IA 50010
Ottilie .... Ottilie RO Seed, Marshalltown, IA 50158
Pfister .... Pfister Hybrid Corn Co., El Paso, IL 61738
*Pioneer .... Pioneer Hi-Bred Int., Inc., Ankeny, IA 50021
Prairie Gold .... Ramy International, Ltd., Mankato, MN 56002
Rainbow .... Rainbow Seeds, Inc., Oskaloosa, IA 52577
Renk .... Renk Seed Co., Inc., Sun Prairie, WI 53590
Renze .... Renze Hybrids, Inc., Carroll, IA 51401
SOI .... Sand Seed Service, Inc., Marcus, IA 51035
Terra .... Terra Int., Inc., Sioux City, IA 51102
Trelay .... Trelay Seeds, Livingston, WI 53554
Viking .... Albert Lea Seedhouse, Albert Lea, MN 56007

*Companies with one or more check hybrids entered by Iowa State University.

The *1997 Iowa Crop Performance Test—Corn* Computer Diskette Order Form

Iowa Crop Performance Test—Corn results are published each year to help farmers select corn hybrids. Since 1987 a computer version has been available that includes the information in the written reports and a program to calculate an economic return value for each hybrid based on farmer supplied expected corn price, final moisture, and drying and shrink costs. These inputs can easily be changed and the computer will calculate new economic return values for all hybrids. These values provide information on whether full season hybrids produce enough extra yield to compensate for drying costs. The computer program also can sort the hybrids by yield, moisture, adjusted economic value, root lodging, stalk lodging, dropped ears, protein, oil, starch, or brand.

For more information, call Extension Software Service at 515-294-8658. Or, if you want to order the program, please complete, cut out, and return the order form in this report.

Grain moistures shown in Tables 1 and 2 are indications of maturity and natural drying rate. Maturity of varieties entered generally ranged from short to full season. Yield comparisons should be made among varieties of similar maturity.

It is important to select varieties having stable performance over a range of environmental conditions. High yields for two or more consecutive years indicate stable performance. Supplemental yield and agronomic information about specific varieties may be obtained from seed corn dealers, crop consultants, and from neighbors who have grown these varieties.

The protein, oil, and starch percentage data (Tables 1 and 2) are quality traits important to different end-users of corn. For feed, protein is of primary interest; for wet-mill processing (ethanol and sweeteners), oil and starch content are important. Several firms have begun testing these characteristics on an exploratory basis. In 1995, a network of 15 Iowa grain elevators acquired near-infrared equipment and are testing inbound corn at their facilities.

Whole-grain near-infrared equipment measures composition of unground corn kernels in 1 to 1.5 minutes per sample. The equipment measures moisture simultaneously with composition. Using these instruments, country elevators can test and segregate grain as it is received. Obviously, all compositional factors cannot be high in the same hybrid. The grain market is exploring segmentation (identity preservation), which is the production and marketing of certain hybrids for specific uses. This is an important change from the generic commodity approach now used.

The economic impact of compositional factors can be significant. Corn protein trades off with other protein sources in many feed rations. At $200 per ton for 44 percent protein soybean meal, the value of a 1 percent increase (e.g., from 8 percent to 9 percent) in corn protein is about 12 cents per bushel of corn. Likewise, an additional percent of oil yields about 14 cents per bushel in increased oil output in a wet processing plant or when substituted for white grease in feed rations. The additional ethanol or sweetener from an extra percent of starch provides 8 to 10 cents per bushel more revenue. Producers feeding livestock are in the best position to capture immediate benefits from these composition data. Country elevators with feed mills also have the ability to capitalize on increased protein in corn. The Iowa Corn Growers Association has prepared a publication to aid growers in using the nutrient data in the *Iowa Crop Performance Test—Corn* reports: *Nutrient Content and Feeding Value of Iowa Corn,* Iowa Corn Growers Association, Des Moines, Iowa 50265.

Hybrids with similar yields and agronomic characteristics may not be identical in corn protein. Therefore, feed costs can be reduced by selecting higher protein hybrids from a group with similar yield potential. Weather and soil conditions affect composition, but the relative ranking of hybrids does not change greatly. A higher protein hybrid will be higher than average regardless of environmental conditions that raise or lower the averages. The protein percentages reported are measures of crude protein and may not give an accurate indication of feed value if feed rations are balanced on individual amino acids rather than crude protein content.

1997 Field Data

The District 2 test was planted on farms operated by Mike Branstad and Gary Wunder near Thompson in Winnebago County, Louis Peters near Colwell in Floyd County, and the Herman brothers near Waukon in Allamakee County. Field data are presented in Table A.

At planting time, subsoil moisture for the district was generally adequate but was excessive in a few areas. Rainfall for the district was below normal in April and well below normal in June. In July, August, and September, the Winnebago County location received near normal rainfall while the other two locations received way above normal rainfall in July and below normal rainfall in August and September. In May, rainfall was variable, with the Winnebago County location receiving below normal rainfall, the Floyd County location receiving well below normal rainfall, and the Allamakee County location receiving above normal rainfall. Temperatures for the district were way below normal in May and well below normal in August. At the Winnebago County location in April, June, July, and September, temperatures were below normal, way above normal, above normal, and above normal, respectively. At the other two locations for the same months, temperatures were way below normal, near normal, well below normal, and near normal, respectively. The average district yield was 14 bushels per acre above the mean of the five preceding years' averages. Average location yields are listed in Table A.

Table A. Field Data

	Branstad Farm Webster silty clay loam			Peters Farm* Oran loam			Herman Farm Downs silt loam		
Fertilizer applied, lb.	N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
Plowdown	—	—	—	—	—	—	18	46	80
Preplant	5	23	120	140	52	120	130	—	—
Sidedress	82	—	—	—	—	—	—	—	—
Starter	10	34	—	—	—	—	7	21	7
Total	97	57	120	140	52	120	155	67	87
1996 crop	Soybeans			Soybeans			Soybeans		
Row width	30 inches			30 inches			30 inches		
Planting date	May 6			April 25			April 28		
Harvest date	Oct. 31			Oct. 9 & 10			Nov. 6 & 7		
Average yield	145 bu/a			167 bu/a			137 bu/a		

*Field sampled for protein, oil, and starch percentage data.

Other Reports

Separate reports for variety performance are available for each district shown in Figure 1. A limited supply of these publications is available at your county extension office or from Extension Distribution Center, 119 Printing and Publications Building, Iowa State University, Ames, Iowa 50011. Also, an IBM compatible diskette containing these data along with a hybrid selection program is available from Extension Software Services, 110 EES Bldg., Haber Road, Iowa State University, Ames, Iowa 50011-3070. Along with all of the information as it appears in the written reports, the computer diskettes include computer programs that allow farmers to insert their own drying and shrink costs, expected price of corn, and final moisture percentage after drying. Using these specific criteria, the program calculates an adjusted economic value for each hybrid in the test. Farmers can then determine which hybrids might best fit their own production practices and provide the most profit. The computer program also can sort the hybrids by yield, moisture, adjusted value, root lodging, stalk lodging, dropped ears, protein, oil, starch, or brand and then print the data as sorted. An IBM personal or compatible computer supporting MS-DOS 2.0 or higher, with at least 512K memory, is required. The cost of this diskette is $25. All seven districts can be purchased for $150. Order forms, Pm-660-OF-97, are available from county extension offices and included in the printed reports.

The *1997 Iowa Crop Performance Test—Corn:*

Pm-660-1-97 District 1
Pm-660-2-97 District 2
Pm-660-3-97 District 3
Pm-660-4-97 District 4
Pm-660-5-97 District 5
Pm-660-6-97 District 6
Pm-660-7-97 District 7

Order Form: *Iowa Crop Performance Test—Corn* Hybrid Selection Program

Please send me computer diskettes of the following districts of the *Iowa Crop Performance Test—Corn* reports.

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Prepared by K. E. Ziegler, W. H. Vinson, and D. E. Carroll, instructor in agronomy and technicians.

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